MVA Microsoft Virtual Academy

3D Printing Essentials

Microsoft

Emmett Lalish | Mechanical Engineer
Kris Iverson | Principal Development Lead

Meet Emmett Lalish

- Mechanical Engineer II
- Background
  - Emmett is an aerospace engineer, whose hobby for the last few years has been 3D printing and design (www.thingiverse.com/emmett). Last year his hobby became his career when he joined Microsoft’s 3D printing team. Now he works to make 3D printing faster, easier and more accurate for the consumer market. His previous career stemmed from his doctorate in control theory and involved designing unmanned vehicles at a small company for DARPA.

Meet Kris Iverson

- Principal Development Lead
- Background
  - Kris Iverson is a Principal Software Design Engineer working on 3d Printing in Microsoft’s Operating System Group. He has over 18 years of experience as a Software Design Engineer for Microsoft covering a vast array of technologies from Electronic Commerce, Video Conferencing, Online Gaming, and Internet Security. He is now following a passion to make Windows the best platform for 3d Printing.

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- Microsoft Virtual Academy
  - Free online learning tailored for IT Pros and Developers
  - Over 1M registered users
  - Up-to-date, relevant training on variety of Microsoft products

Course Topics

3D Printing Essentials	
01 | 3D Printing Overview	06 | End-to-End 3D Printing
02 | 3D Printing Hardware	07 | Design for 3D Printing
03 | 3D Printing Software	08 | 3D Model Scanning with Kinect Fusion
04 | 3D Builder	09 | 3D Printing Opportunities
05 | 3D Model Repair	

Setting Expectations

- Target Audience
  - Engineer
  - Designer
  - Programmer
  - Hobbyist
  - Kids (of all ages)
- Suggested Prerequisites/Supporting Material
  - Previous MVA Geek Edition

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01 | 3D Printing Overview

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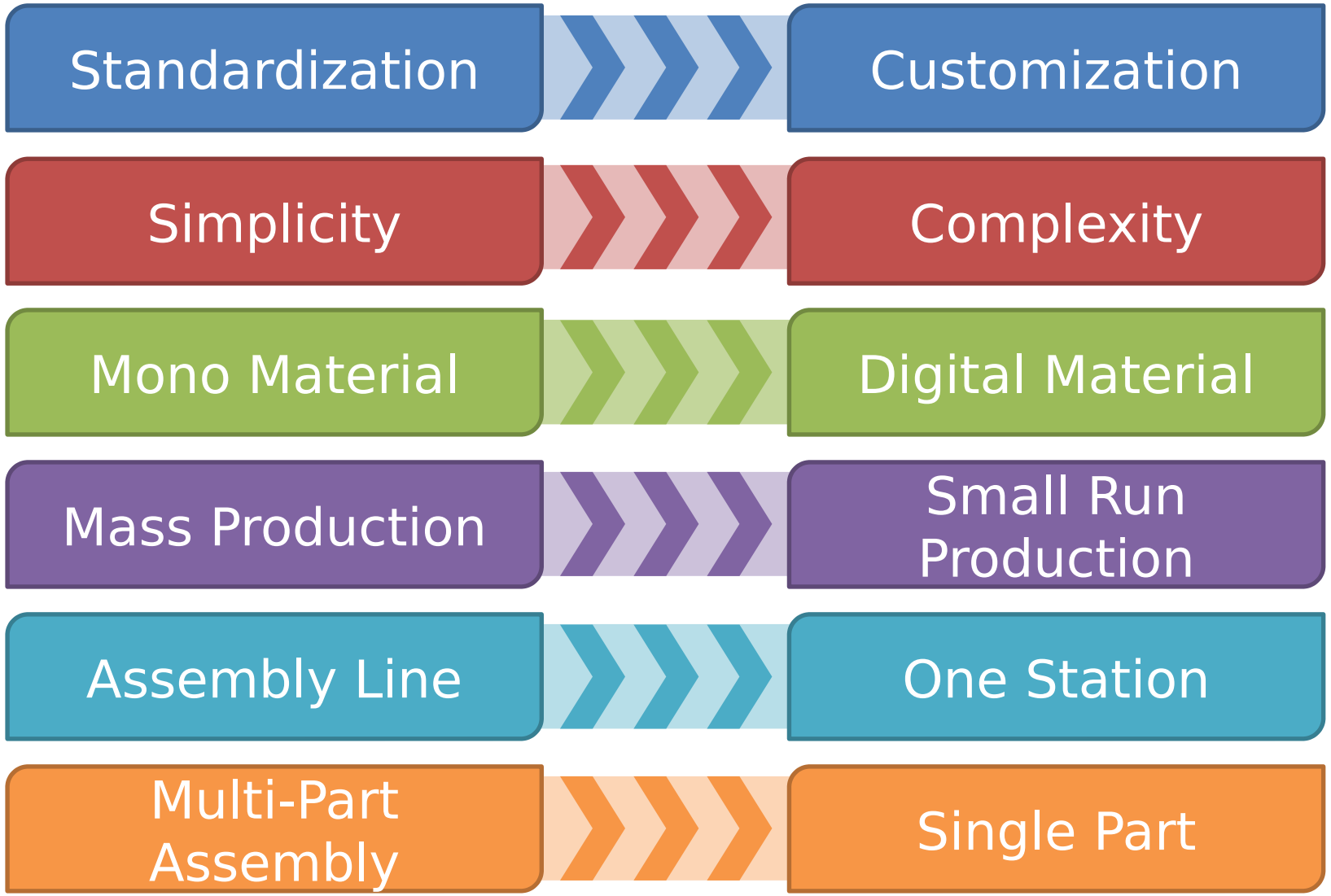
Additive Manufacturing Process Shifts



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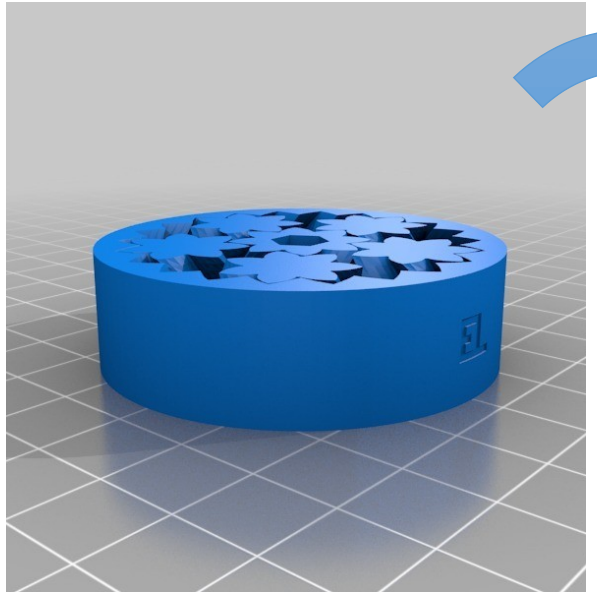

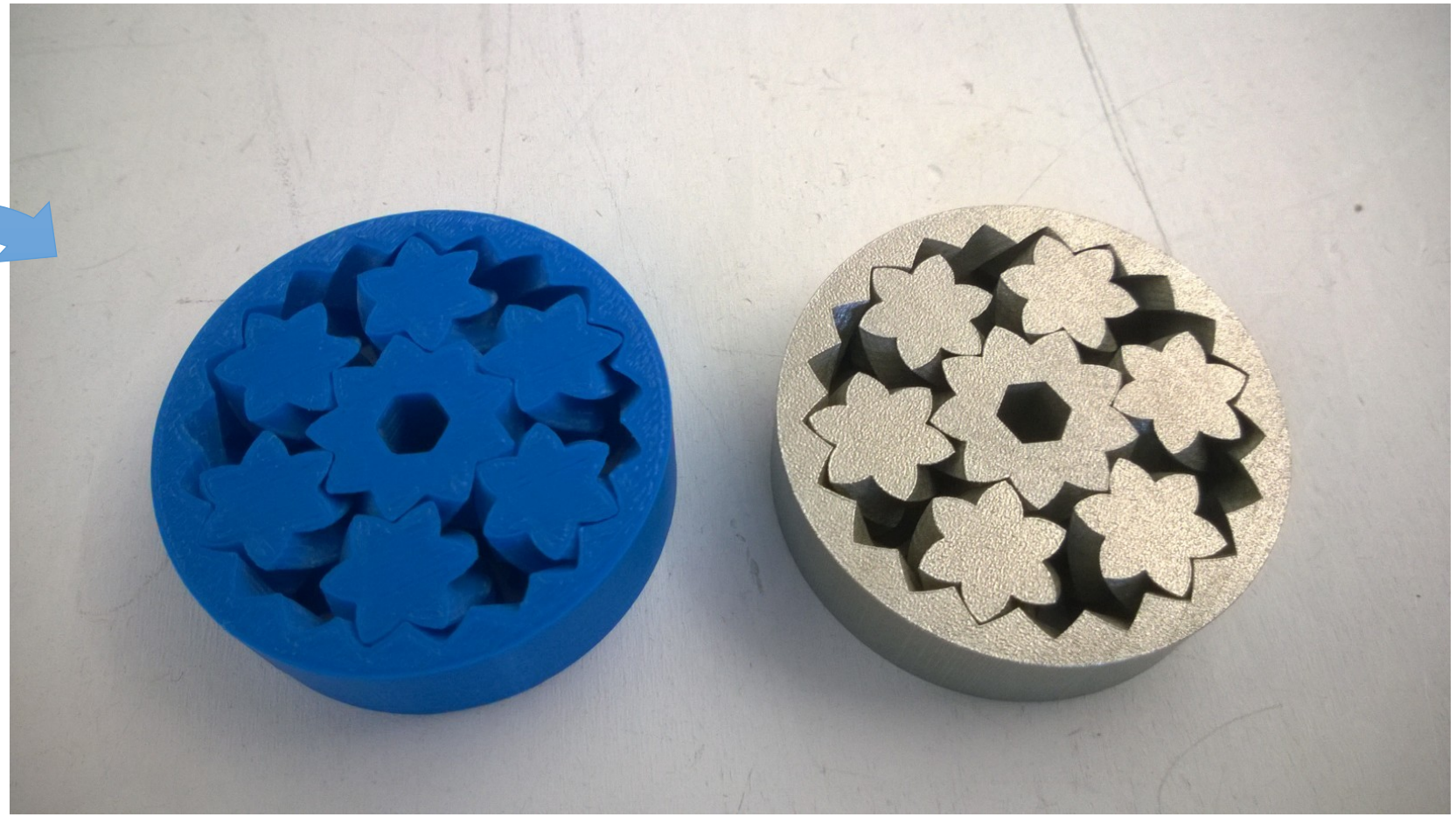

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